

Converting Colors

XYZ(13.1529, 14.9605, 31.1985)

Have a look what the booklet for
XYZ(13.1529, 14.9605, 31.1985)
contains.

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Color

**XYZ(13.0975, 14.8821,
31.0364)**

Conversions

Conversions Part 1

Format	Color
Hex	397196
RGB	57, 113, 150
RGB Percent	22%, 44%, 59%
CMY	0.7765, 0.5569, 0.4118
CMYK	0.62, 0.25, 0.00, 0.41
HSL	204°, 45%, 41%
HSV	204°, 62%, 59%
XYZ	13.0975, 14.8821, 31.0364
YIQ	100.4740, -45.2530, -0.3650

Conversions

Conversions Part 2

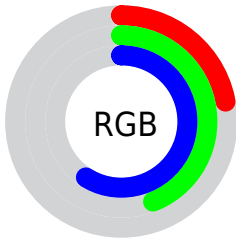
Format	Color
R _Y B	57, 92, 150
Decimal	3764630
CIE Lab	45.47, -6.71, -25.64
CIE LCh	45, 26.500, 255.335
Yxy	14.8821, 0.2219, 0.2522
Android (android.graphics.Color)	4281954710 (0xFF397196)
YUV	100.4740, 24.4163, -38.1267
Hunter-Lab	38.5773, -6.9073, -20.6961

Details

The XYZ color **13.0975, 14.8821, 31.0364** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.3196, 14.7858, 5.8127**, and the grayscale version is **12.1826, 12.8170, 13.9577**.

A 20% lighter version of the original color is **31.0363, 34.7146, 62.1915**, and **4.1424, 4.6814, 12.4897** is the 20% darker color. If you saturate the color by 10%, you get **11.7213, 13.2168, 30.7878**, and if you desaturate by 10%, it is **14.7712, 16.7663, 31.3122**.

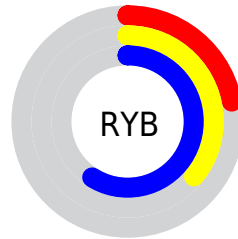
Distribution



Red (22%)

Green (44%)

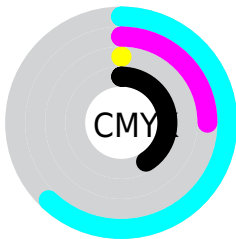
Blue (59%)



Red (22%)

Yellow (36%)

Blue (59%)

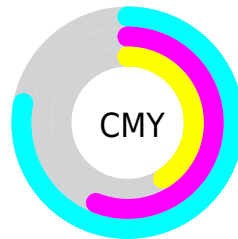


Cyan (62%)

Magenta (25%)

Yellow (0%)

Black (41%)



Cyan (78%)

Magenta (56%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0975, 14.8821, 31.0364 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 13.0975, 14.8821, 31.0364 by changing the saturation by 10% instead.

■ 13.0975, 14.8821,
31.0364

■ 13.0975, 14.8821,
31.0364

205.1666,
222.6515, 321.0624

■ 7.5732, 8.7367,
20.3679

■ 31.0787, 34.6462,
62.3776

■ 3.8726, 4.5698,
12.4760

■ 44.2662, 49.0337,
83.8874

■ 1.6303, 1.9972,
6.9423

■ 60.7389, 66.9373,
109.8480

■ 0.4120, 0.6058,
3.3481

■ 80.8621, 88.7415,
140.6780

■ 0.0000, 0.0000,
1.2750

■ 105.0010,
114.8306, 176.7959

■ 0.0000, 0.0000,
0.0412

133.5212,

■ 0.0000, 0.0000,

145.5891, 218.6202

0.0000

166.7880,
181.4012, 266.5695

■ 13.0975, 14.8821,
31.0364

■ 13.0975, 14.8821,
31.0364

■ 11.7213, 13.2168,
30.7878

■ 14.7712, 16.7663,
31.3122

■ 10.6173, 11.7552,
30.5639

■ 16.7618, 18.8799,
31.6152

■ 9.7578, 10.4823,
30.3635

■ 19.0888, 21.2343,
31.9470

■ 9.1884, 9.5687,
30.2171

■ 21.7696, 23.8396,
32.3086

■ 24.8203, 26.7053,
32.7009

■ 28.2560, 29.8401,
33.1249

■ 32.0908, 33.2526,
33.5815

■ 36.3382, 36.9505,
34.0714

■ 41.0110, 40.9416,
34.5955

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



11.3664, 14.8821, 26.4772



13.0975, 14.8821, 31.0364



15.2973, 14.8821, 30.9797

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.0975, 14.8821, 31.0364



18.6454, 14.8821, 13.1975



11.3361, 14.8821, 9.0736

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.0975, 14.8821, 31.0364



17.3196, 14.7858, 5.8127

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.0520, 14.8821, 7.0815



13.0975, 14.8821, 31.0364



17.3431, 14.8821, 9.0055

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.0975, 14.8821, 31.0364



18.6609, 14.8821, 19.4802



15.2469, 14.8821, 7.0603



10.4236, 14.8821, 13.3176

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.0975, 14.8821, 31.0364



16.7443, 14.8821, 28.2797



15.2469, 14.8821, 7.0603



11.8297, 14.8821, 8.1735

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.0980, 14.8826, 31.0368



39.7657, 43.3523, 57.1932



14.5546, 23.4671, 14.0381



8.5169, 9.3263, 12.6361



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.0980, 14.8826, 31.0368



19.9588, 22.3921, 54.1914



9.2511, 7.1887, 29.7544



5.7724, 6.1788, 7.3581



7.6525, 7.9998, 25.0718



0.1225, 0.1557, 0.3165

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.0219, 10.6032, 16.7727



27.8510, 15.5562, 25.1047



22.5710, 25.2886, 7.5632



5.9386, 5.8705, 6.7827



11.9897, 6.0009, 8.6927



0.1613, 0.0793, 0.1832

Previews

White Background



This preview shows how the XYZ color 13.0975, 14.8821, 31.0364 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 13.0975, 14.8821, 31.0364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

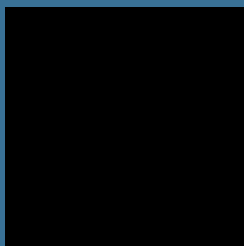
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

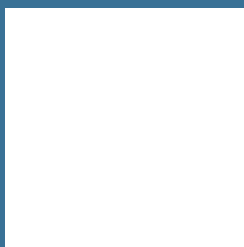
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0975, 14.8821, 31.0364

Background



This preview shows how black text looks on a background with the XYZ color 13.0975, 14.8821, 31.0364.



This preview shows how white text looks on a background with the XYZ color 13.0975, 14.8821,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.0975, 14.8821, 31.0364

Protanopia

15.0119, 14.8085, 28.4527

Deuteranopia

15.1359, 14.7992, 31.7645



Tritanopia

11.3188, 14.8357, 22.3457

Trichromacy



Original Color

13.0975, 14.8821, 31.0364

Protanomaly

14.1366, 14.8064, 29.3070

Deuteranomaly

14.2790, 14.8339, 31.3888

Tritanomaly

11.9340, 14.9182, 25.1722

Monochromacy



Original Color

13.0975, 14.8821, 31.0364

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9777, 13.2960, 19.0746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0975, 14.8821, 31.0364 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(57, 113, 150)` looks like.

```
.text, #text, p{  
    color:rgb(57, 113, 150)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(57, 113, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 113, 150) }
```

Border

The CSS property to change the border of an element to XYZ 13.0975, 14.8821, 31.0364 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(57, 113, 150) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(57, 113, 150) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(57, 113, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 113, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 113, 150);  
box-shadow:4px 4px 4px 4px rgb(57, 113,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0975, 14.8821, 31.0364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 113, 150) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(57, 113,  
150) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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